

IN THE CLAIMS:

The status and content of each claim follows.

1-11. (cancelled)

12. (previously presented) A flex-based fuel cell, comprising:
a first flexible circuit; comprising:
a first flexible substrate, and
a porous layer, wherein the porous layer comprises a plurality of pores oriented to distribute fuel to a catalyst using a capillary action; and
a second flexible circuit adjacent the first flexible substrate circuit, wherein the first and the second flexible circuits are conformable to a substantially non-planar shape, and
wherein the first and the second flexible circuits form a channel between the first and second flexible circuits containing deionized water.

13. (previously presented) The flex-based fuel cell of claim 12, further comprising a proton exchange membrane between said first and second flexible circuits.

14. (canceled)

15. (original) The flex-based fuel cell of claim 12, wherein the substantially non-planar shape comprises a cylinder.

16. (previously presented) The flex-based fuel cell of claim 15, wherein an interior of the cylindrical flex-based fuel cell contains liquid fuel.

17. (original) The flex-based fuel cell of claim 16, wherein the liquid fuel is methanol.

18. (previously presented) The flex-based fuel cell of claim 12, further comprising a dry film adhesive disposed between the first flexible substrate and a second flexible substrate which is part of the second flexible circuit.

19-24. (cancelled)

25. (previously presented) The flex-based fuel cell of claim 12, wherein said porous layer comprises metal.

26. (previously presented) The flex-based fuel cell of claim 12, wherein said catalyst is disposed on said porous layer.

27-37. (cancelled)